

IN THE SPECIFICATION

Replace the paragraph on page 10, line 30 through page 11, line 8 with the following:

In general, different types of broad-banding loads can be utilized for bandwidth extension per design requirements or desired application. The transconductance stages 402 (i.e., transconductance cell) in combination with broad-band loads enables wide linear dynamic range with high bandwidth (e.g., multi-gigahertz). Further details regarding transconductance cells, including exemplary implementations suitable for each gain stage 302, may be found in U.S. Patent Application No. 10/724,449 ~~{unknown, attorney docket no. M-15292-US}~~ entitled "Digitally Controlled Transconductance Cell" and filed November 26, 2003, which is incorporated herein by reference in its entirety.

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